BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains in ward 03, Attur, Yelahanka Division

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)								
	For RCC Drain	Cum							
	Tirumalanagar								
	4th cross		2	300.00	1.10	1.00	660.00		
	Akshaynagar								
	Main Road		1	290.00	1.10	1.20	382.80		
	Cross Road		1	177.00	1.10	1.00	194.70		
	For RCC Culvert		12	6.00	1.50	1.05	113.40		
							1350.90	220.40	**297738.00**
	Basic Rate Rs.=	130.00							
	Add 6% A.W Rs. =	7.80							
	Sub Total =	137.80							
	10Km Lead, Loading and Unloading =(2*1.28*10)+57	82.60							
	Total Rate Rs. =	**220.40**							
2	KSRRB M2900-1: Plain cement concrete M 10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications, MORTH specifications No. 408, (P.No.254, I.No.34.1 of PW,P&IWTD S.R 2018-19)								
	For Drain	Cum							
	Tirumalanagar								
	4th cross		2	300.00	1.10	0.15	99.00		
	Akshaynagar								
	Main Road		1	290.00	1.10	0.15	47.85		
	Cross Road		1	177.00	1.10	0.15	29.21		
	For RCC Culvert		12	6.00	1.40	0.15	15.12		
							191.18	4479.56	**856380.00**
	Basic Rate Rs.=	4226.00							
	Add 6% A.W Rs. =	253.56							
	Total Rate Rs. =	**4479.56**							
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	For RCC Drain	Cum							
	Bottom slab								
	Tirumalanagar								
	4th cross		2	300.00	0.90	0.15	81.00		
	Akshaynagar								
	Main Road		1	290.00	0.90	0.15	39.15		
	Cross Road		1	177.00	0.90	0.15	23.90		

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Side walls								
	Tirumalanagar								
	4th cross		4	300.00	0.15	0.60	108.00		
	Akshaynagar								
	Main Road		2	290.00	0.15	0.90	78.30		
	Cross Road		2	177.00	0.15	0.60	31.86		
							362.21		
	For RCC Culvert								
	Raft		12	6.00	1.20	0.20	17.28		
	side walls		24	6.00	0.20	0.60	17.28		
							34.56		
					Net Qty.		**396.77**	7070.20	**2805208.00**
	Basic Rate Rs.=	6670.00							
	Add 6% A.W Rs. =	400.20							
	Total Rate Rs. =	**7070.20**							
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Considering steel For Drain @ 60 kg / cum	Tonne		362.21	0.060	–	21.73		
	Considering steel For Culvert @ 85 kg / cum			34.56	0.085	–	2.94		
							24.67	73992.24	**1825381.00**
	Basic Rate Rs.=	69804.00							
	Add 6% A.W Rs. =	4188.24							
	Total Rate Rs. =	**73992.24**							
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For drain cover slab	Sqm							
	Tirumalanagar								
	4th cross		2	300.00	0.90	–	540.00		
	Akshaynagar								
	Main Road		1	290.00	0.90	–	261.00		
	Cross Road		1	177.00	0.90	–	159.30		
							960.30	2337.00	**2244221.00**
6	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For Culvert Slabs	Sqm	12	6.00	1.20	–	**86.40**	5418.00	**468115.00**
								Sub Total 1 Rs.	**8497043.00**
	Add GST @ 12%								**1019645.16**
	4.5% KRIDL Charges								**382366.94**
								Sub Total 2 Rs.	**9899055.10**
	Miscellaneous & Rounding off								944.90
								Total Rs.	**9900000.00**
	CERTIFICATE:								

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
1	The work spot has been inspected by me and the work is found to be necessary.								
2	The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2018-2019.								
3	The Provisions made in the estimate are quite necessary and adequate.								
4	The area comes with in the BBMP limits.								

Assistant Engineer
Ward 03
BBMP

Assistant Executive Engineer
Yelahanka Newtown Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP

Administrative Sanction for Rs. 99-00 Lakhs
Ninety nine lakhs only/-
.....
is accorded under head P-0190
.....
.....
Registered as CE No. ..... Subject to conditions contained in enclosed memo No. EE/YNK/C3/2019-20 Dt. 19/8/2019

Executive Engineer

Technical Sanction
Accorded For RS 99.00 Lakhs only
Head of A/C P0190
CER NO : 59 Dt: 25.07.2019

[TA] CE (YNK).

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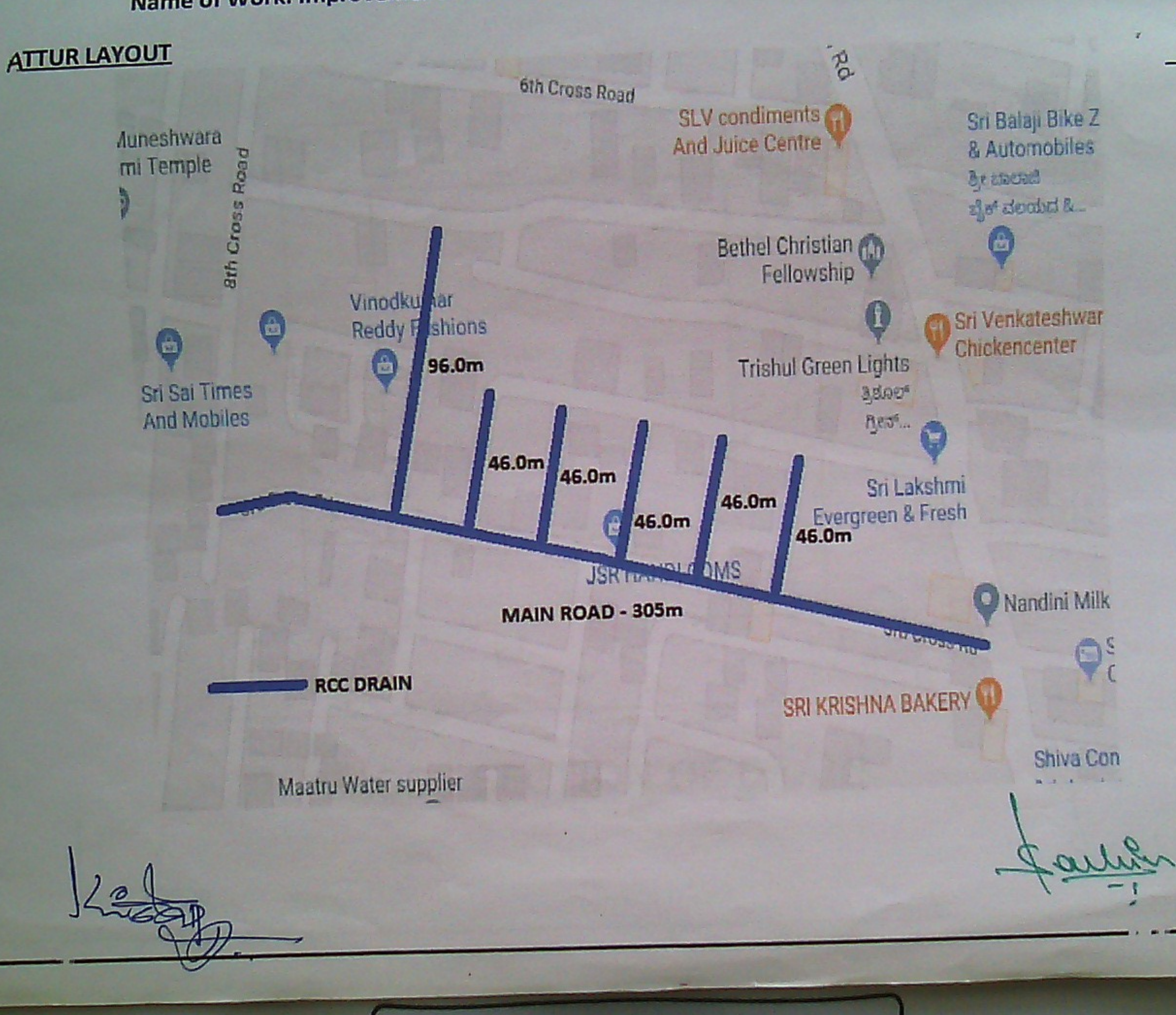
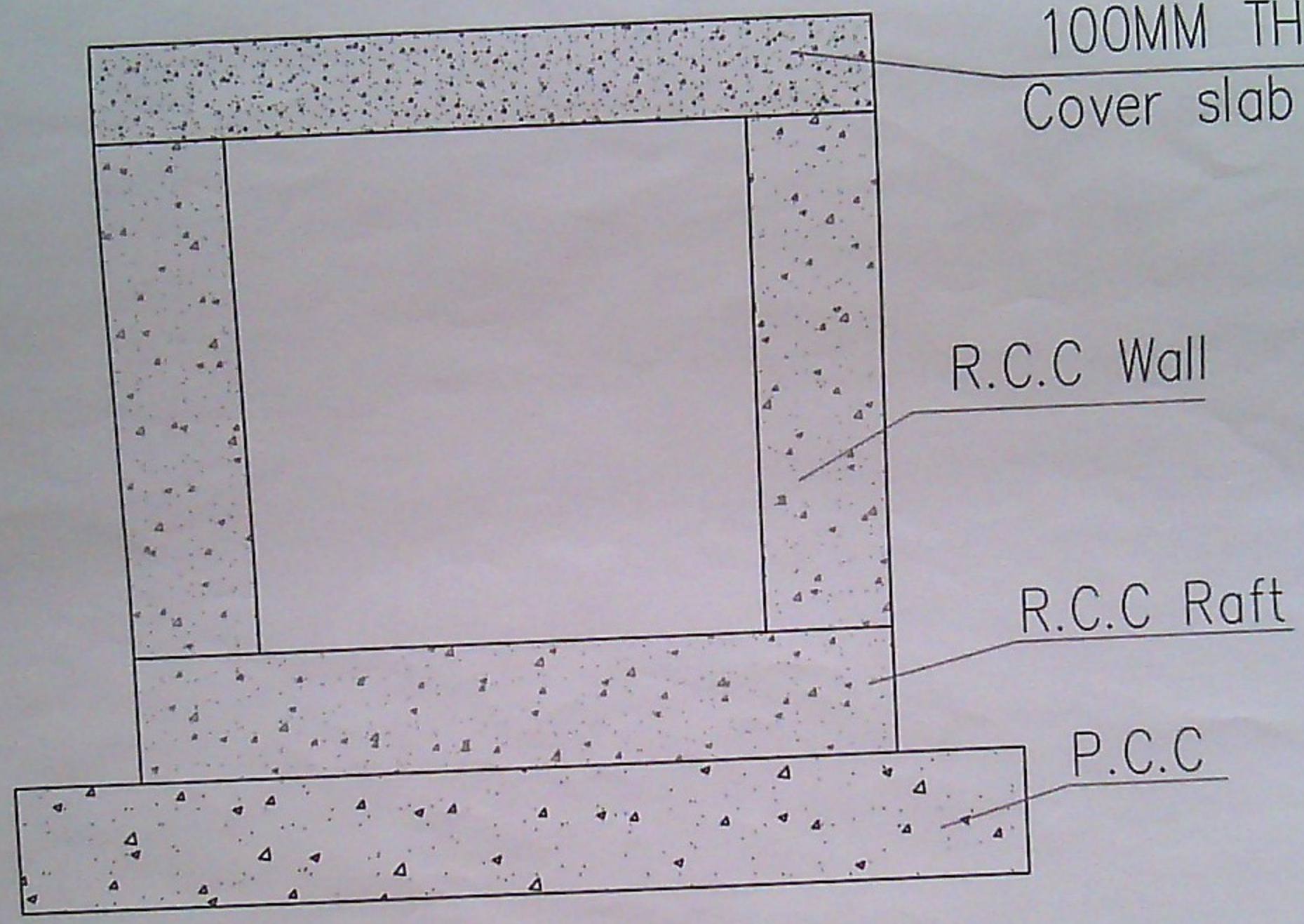
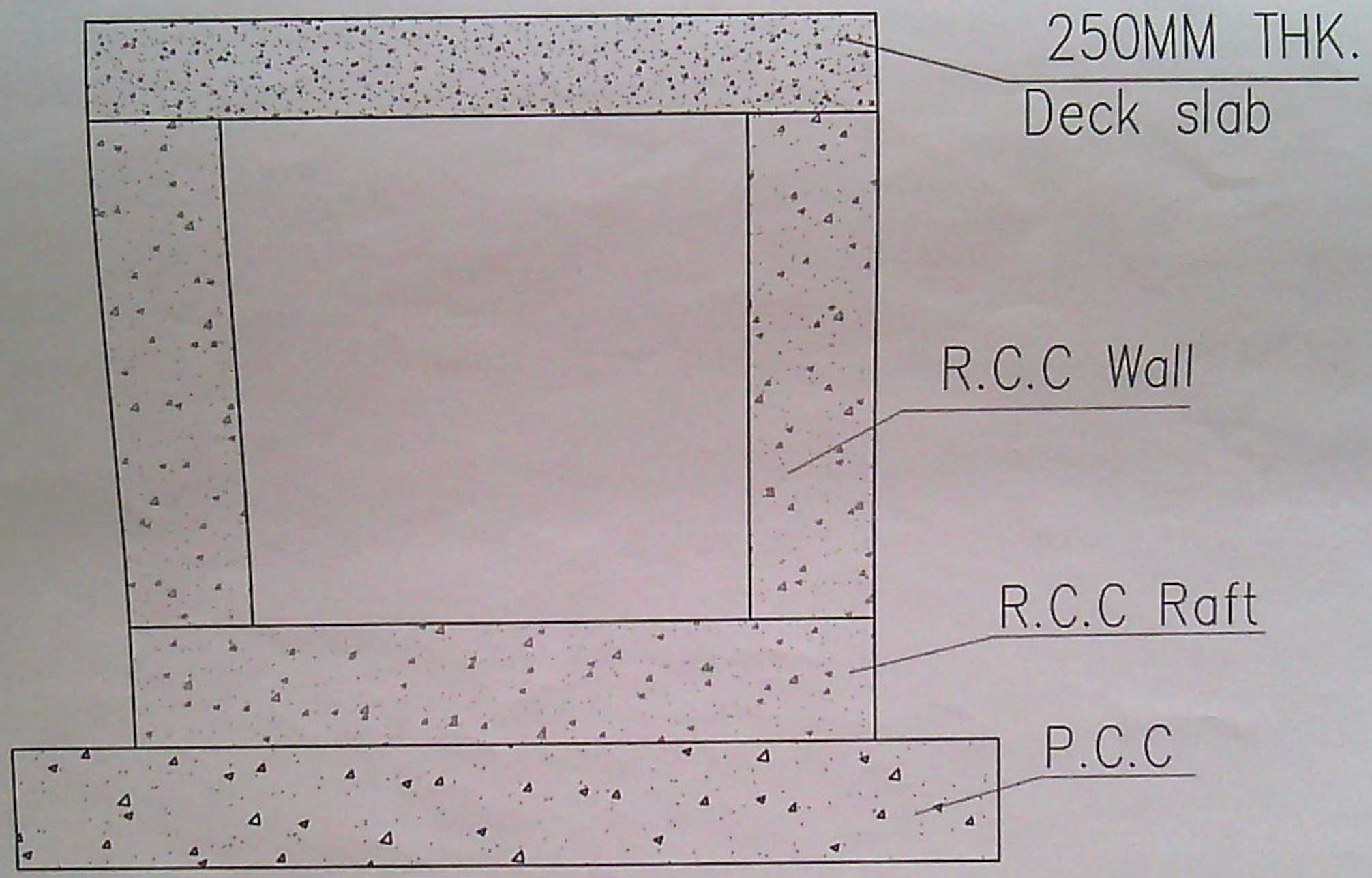
ATTUR LAYOUT





CROSS SECTION OF DRAIN



CROSS SECTION OF Culvert